

## ENVIRONMENTAL CHECKLIST

### *Purpose of Checklist:*

The State Environmental Policy Act (SEPA), Chapter 43.21 RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

### *Instructions for Applicants:*

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring the preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the question from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply". Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe the your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or to provide additional information reasonably related to determining if there may be significant adverse impact.

### *Use of checklist for nonproject proposals:*

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (Part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

### **A. BACKGROUND**

1. Name of proposed project, if applicable: **Capitol Forest Non-Motorized Bridge Replacement**
2. Name of applicant: **Department of Natural Resources  
Pacific Cascade Region  
PO Box 280  
Castle Rock, WA 98611**
3. Address and phone number of applicant and contact person: **Brian Poehlein, 360.577.2025**
4. Date checklist prepared: **8/6/2009**
5. Agency requesting checklist: **Washington Department of Natural Resources**
6. Proposed timing or schedule (including phasing, if applicable): **This project will be completed prior to December 31, 2009.**

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

No

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

**Forest Resource Plan; State Soil Survey; Washington State Department of Natural Resources Habitat Conservation Plan, September 1997; Endangered Species Act Listed Salmonid Species Map from Forest Practices 2003.**

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

**There are no known applications pending.**

10. List any government approvals or permits that will be needed for your proposal, if known.

**A Hydraulics Permit from the Washington Department of Fish and Wildlife will be obtained.**

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agency may modify this form to include additional specific information on project description.)

**This project will replace a non-motorized recreation bridge over Waddell Creek in Capitol State Forest. The bridge was destroyed when it was swept away in a large storm event in the winter of 2007. The bridge provides a critical point of access for the non-motorized trail system in Capitol Forest. The loss of the old bridge is creating management challenges with safety and resource protection concerns.**

**The new 85 foot bridge will be designed to ensure minimal impacts to the stream. The replacement bridge will be located outside of the 100 year flood plain.**

12. Location of proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographical map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any applications related to this checklist.

**This project is located in Capitol State Forest in the SW ¼ of section 28 of township 17N, Range 3W in Thurston County. It is accessed from the Margaret McKenny campground, which is located off of Waddell Creek Road. Please see attached map.**

## **B. ENVIRONMENTAL ELEMENTS**

1. Earth

- a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountains, other \_\_\_\_\_.
- b. What is the steepest slope on the site (approximate percent slope)?

**The steepest slope is approximately 5%.**

- c. What general types of soils (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

**Soil types include:**

**State Soil Survey # 5685, Silt Loam, 5 – 20% slope, insignificant mass wasting potential, and medium erosion potential**

**State Soil Survey # 9003, Silt Clay Loam, 0 – 3% slope, insignificant mass wasting potential, and low erosion potential.**

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

**There are no surface indications or history of unstable slopes in the immediate vicinity of this proposal.**

- e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

**Up to approximately 70 cubic yards of fill could be used on this project. This would be in the form of rock purchased and delivered to the site by truck. This would include large rock to be used to armor sills or footings and rock and dirt to build up bridge approaches.**

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

**Small amounts of site-specific erosion may occur as a result of this proposal. Mitigative measures such as the use of silt fencing and straw bales will help minimize the impact of these activities.**

- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

**None**

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

**Operations will occur during dry weather. Grass seed and straw will be spread on any exposed areas to prevent and control erosion. Silt fencing will be installed as needed to prevent sediment delivery to any flowing waters. In addition, the bridge approaches will be hardened using rock or concrete grid blocks to protect the trail surface and prevent possible sediment delivery. The trail will be closed to equestrian use during the winter months to protect the trail surface and prevent sediment delivery.**

2. Air

- a. What types of emissions to the air would result from this proposal (i.e. dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

**Small amounts of engine exhaust from equipment, such as generators, an excavator, and a helicopter or crane, may occur during the project.**

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

**No**

- c. Proposed measures to reduce or control emissions or other impacts to air, if any:

**None**

3. Water

a. Surface:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

**The bridge will be placed over a type 1 stream, Waddell Creek. Waddell Creek flows into the Black River.**

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

**This project will replace the destroyed bridge that was in place on this site. Work over and adjacent to the above-mentioned stream will be necessary in order to construct the footings or sills and install the new bridge. All construction will be done outside of the 100 year floodplain.**

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of the fill material.

**None**

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

**No**

5) Does the proposal lie within a 100 year floodplain? If so, note location on the site plan.

**This project will install a replacement bridge over the stream. All work on the ground will take place outside of the 100 year flood plain.**

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

**No**

b. Ground:

1) Will groundwater be withdrawn, or will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

**No**

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals . . .; agricultural; etc.). Describe the general size of the system, the number such systems, the number of houses to be served ( if applicable), or the number animals or humans the system(s) are expected to serve.

**None**

c. Water Runoff (including storm water):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities if known). Where will this water flow? Will this water flow into other waters? If so, describe.

**Storm water runoff will be collected by ditches along an established trail system and diverted through cross drain culverts and water bars onto the forest floor wherever possible. In addition, culverts will be placed to prevent ditch water from entering into stream channels.**

- 2) Could waste material enter ground or surface waters? If so, generally describe.

**No**

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

**Operations will take place during periods of dry weather. Grass seed and straw will be spread on exposed areas to prevent and control water runoff. Silt fencing may be used, if necessary, around the project site to help protect water quality. Bridge approaches will be hardened using concrete blocks or rock to prevent sediment delivery to flowing waters. This trail system is closed seasonally to equestrian riders during wet weather months.**

4. Plants

- a. Check or circle types of vegetation found on the site:

☒ deciduous tree: alder, maple, aspen, other

☒ evergreen tree: fir, cedar, pine, other

☒ shrubs

☒ grass

☐ pasture

☐ crop or grain

☒ wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other devil's club

☐ water plants: water lily, eelgrass, milfoil, other

☒ other types of vegetation, various ferns and salal

- b. What kind and amount of vegetation will be removed or altered?

**No merchantable trees will be removed, and minimal vegetation will be altered.**

- c. List threatened or endangered species known to be on or near the site.

**None known**

- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

**Minimal amounts of vegetation will be removed or destroyed. If necessary, the area will be re-vegetated with similar vegetation or tree seedlings.**

5. Animals

- a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

birds: hawk, heron, eagle, songbirds, other:

mammals: deer, bear, elk, beaver, other:

fish: bass, salmon, trout, herring, shellfish, other:

- b. List any threatened or endangered species known to be on or near the site.

**None known**

- c. Is the site part of a migration route? If so, explain.

**This area is part of the Pacific Flyway. However, no impacts are anticipated from this proposal.**

- d. Proposed measures to preserve or enhance wildlife, if any:

**This replacement bridge eliminates the need for a wet crossing. This minimizes sediment delivery to fish-bearing waters and helps prevent the possibility of site-specific damage to the stream channel.**

6. Energy and Natural Resources

- a. What kinds of energy (electrical, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

**Does not apply.**

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

**Does not apply.**

- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

**Does not apply.**

7. Environmental Health

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste that could occur as a result of this proposal? If so, describe.

**No**

- 1) Describe any emergency services that might be required.

**None**

- 2) Propose measures to reduce or control environmental health hazards, if any:

**Equipment will be kept out of flowing water and no oil or lubricants from machinery will be disposed of on site.**

- b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

**None**

- 2) What types and levels of noise would be created by or associated with the project on a short-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

**Noise from light and heavy equipment will be minimal and limited to daylight hours.**

3) Proposed measures to reduce or control noise impacts, if any:

**None**

8. Land and Shoreline Use

a. What is the current use of the site and adjacent properties?

**The current use of the site is forest land and recreation. The adjacent property is forest land.**

b. Has the site been used for agriculture? If so, describe.

**No**

c. Describe any structures on the site.

**There is no structure on site. The previous bridge has been swept downstream.**

d. Will any structures be demolished? if so, what?

**The destroyed bridge will be removed.**

e. What is the current zoning classification of the site?

**Forest Land**

f. What is the current comprehensive plan designation of the site?

**Long-term forestry, wildlife habitat, and recreation.**

g. If applicable, what is the current shoreline master program designation of the site?

**Not applicable.**

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

**No**

i. Approximately how many people would reside or work in the completed project?

**None**

j. Approximately how many people would the completed project displace?

**None**

k. Proposed measures to avoid or reduce displacement impacts, if any:

**None**

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

**This proposal meets the terms of the Washington State Department of Natural Resources Habitat Conservation Plan, dated September, 1997.**

9. Housing

- a. Approximately how many units would be provided, if any? Indicate whether high, middle or low-income housing.

**None**

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

**None**

- c. Proposed measures to reduce or control housing impacts, if any:

**None**

10. Aesthetics

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

**The bridge decking will be located up to 15 feet above the ground at it's highest point, and bridge railings will extend another 4 feet higher.**

- b. What views in the immediate vicinity would be altered or obstructed?

**None**

- c. Proposed measures to reduce or control aesthetic impacts, if any:

**As much of the existing vegetation as possible will be retained.**

11. Light and Glare

- a. What kind of light or glare will the proposal produce? What time of day would it mainly occur?

**None**

- b. Could light or glare from the finished project be a safety hazard or interfere with views?

**No**

- c. What existing off-site sources of light or glare may affect your proposal?

**None**

- d. Proposed measures to reduce or control light and glare impacts, if any:

**Does not apply.**

12. Recreation

- a. What designated and informal recreation opportunities are in the immediate vicinity?

**Horseback riding, mountain biking, hiking, camping, fishing, hunting, and bird watching opportunities are within the area.**



- b. Would the proposed project displace any existing recreational uses? If so, describe.

**No**

- c. Proposed measures to reduce or control impacts on recreation, including recreational opportunities to be provided by the project or applicant, if any:

**During the proposed project, users will continue to be temporarily re-routed around the project site.**

13. Historic and Cultural Preservation

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

**No**

- b. Generally describe any landmarks or evidence of historic, archeological, scientific, or cultural importance known to be on or next to the site? If so, generally describe.

**None known.**

- c. Proposed measures to reduce or control impacts, if any:

**This project has been reviewed by all identified tribes of interest as per Washington State Executive Order 05-05 procedure.**

14. Transportation

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans if any.

**This proposal site is located approximately 2.5 miles northwest of Littlerock, WA. See attached map.**

- b. Is the site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

**No**

- c. How many parking spaces would the completed project have? How many would the project eliminate?

**None**

- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

**No**

- e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

**No**

- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

**This bridge will be a non-motorized trail bridge, so there will be no vehicular trips generated.**

- g. Proposed measures to reduce or control transportation impacts, if any:

None

15. Public Services

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

No

- b. Proposed measures to reduce or control direct impacts on public services, if any.

None

16. Utilities

- a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

None

- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

None

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

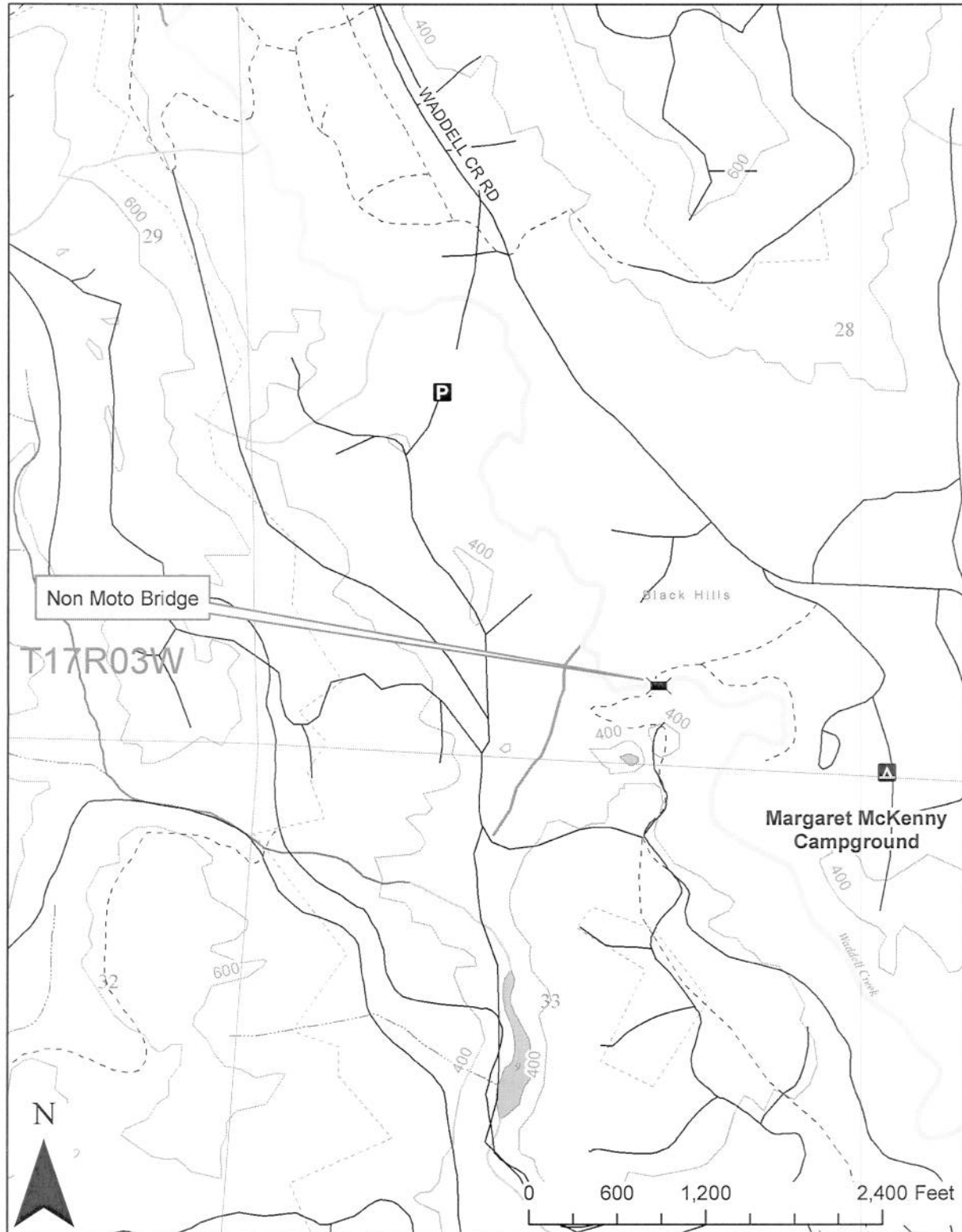
Signature: B. V. Kohli

Reviewed by (optional): Julie Sackett

Title: Asst. Region Mgr - Asset management

Date: 8/21/02

# Non Motorized Bridge Replacement



200-Ft. Contours	Type 4	Roads	Railroad Grade
Type 1	Type 5	Trail	Ferry Crossing
Type 2	Unclassified	Railroad	
Type 3			